AMENDMENTS TO THE SPECIFICATION:

Please amend the Abstract of the Disclosure of the specification as follows:

ABSTRACT OF THE DISCLOSURE

A mobile communication system is provided for use in communication. The mobile communication system may include a radio control station (CS), a base station (BS), and a mobile station (MS). The BS is connected to the CS, and the MS may perform, with the BS, data communication in a parallel combinatory spread-spectrum (PCSS) scheme. ~~System includes CS, BS connected to CS, and MS performing, with BS, data communication in PCSS scheme.~~ The CS comprises at least a storage storing a plurality of communication parameters corresponding to the BS and a transmitter transmitting a determined parameter to the BS. ~~data rates and ratios, parameters indicating numbers of assignment codes and multicoding schemes, acquired one of parameters from storage corresponding to number of assignment codes and ratio, data rate corresponding to acquired one of parameters being higher than data guaranteed rate of service, if parameters are acquired, based on each of numbers of assignment codes and each of ratios from storage, and number of assignment codes and ratio from BS, determining, from computation, one parameter suitable for margin for number of assignment codes from BS and margin for ratio from BS, transmitter transmits determined parameter.~~ The BS comprises a receiver receiving a determined parameter from the CS, a determining unit for determining [[for]] transmitting power ~~data to MS,~~ and a transmitter transmitting data generated by using the determined parameter and

performing spreading processing to the MS. Further, the MS comprises a reproduction unit reproducing data by using the determined parameter and performing despreading processing.

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A mobile communication system including a radio control station, a base station connected to the radio control station, and a mobile station which performs, with the base station, data communication in a parallel combinatory spread-spectrum scheme,

the radio control station comprising:

a storage which stores a plurality of data communication rates and a plurality of transmission power ratios, the plurality of the data communication rates and the plurality of the transmission power ratios corresponding to a plurality of parameters used in the parallel combinatory spread-spectrum scheme, the plurality of the parameters indicating numbers of assignment spreading codes and multicoding schemes;

a first acquisition unit configured to acquire, from the storage, at least one of the parameters, an acquired one of the parameters corresponding to the number of the assignment spreading codes and the transmission power ratio, at least one data communication rate corresponding to at least acquired one of the parameters being higher than and close to a data communication guaranteed rate of a communication service;

a second acquisition unit configured to acquire, from the base station, the number of assignment spreading codes and a transmission power ratio;

a computation unit configured to perform computation, if the first acquisition unit acquires a plurality of the parameters, based on each of the numbers of the assignment spreading codes acquired from the storage and each of transmission power ratios acquired from the storage, and the number of assignment spreading codes and a transmission power ratio acquired from the base station, the computation unit determining, from the computation, one parameter suitable for a margin for the number of the assignment spreading codes acquired from the base station and a margin for the transmission power ratio acquired from the base station; and

a transmitter which transmits a determined parameter to the base station,

the base station comprising:

a receiver which receives the determined parameter from the radio control station;

a determination unit configured to determine transmission power for transmitting data to the mobile station, based on a transmission power ratio corresponding to the determined parameter; and

a first transmitter which transmits data with the transmission power to the mobile station, the data being generated by using the determined parameter and performing spreading processing, and

the mobile station comprising:

a reproduction unit configured to reproduce the data by using the determined parameter and performing despreading processing.

2. (Original) The mobile communication system according to claim 1, wherein the transmission power ratios are defined based on reliability of the multicoding scheme during demodulating the data using the parallel combinatory spread-spectrum scheme.

3. (Original) The mobile communication system according to claim 1, wherein the base station further comprises a second transmitter which transmits the determined parameter to the mobile station before transmitting the data, the second transmitter performing a negotiation with the mobile station.

4. (Original) The mobile communication system according to claim 1, wherein the storage includes a parameter rate ROM which stores rate data corresponding to the numbers of assignment spreading codes and the multicoding schemes, and a parameter transmission power ratio ROM which stores transmission power data corresponding to the numbers of assignment spreading codes and the multicoding schemes.

5. (Original) The mobile communication system according to claim 1, wherein the radio control station further comprises a user guaranteed data rate ROM which stores a guaranteed rate of data communication corresponding to the communication service.

6. (Original) The mobile communication system according to claim 1, wherein:

the base station further comprises a mapping ROM which stores a plurality of selected spreading-code-data items and a plurality of spreading codes, the selected spreading-code-data items being mapped into the spreading codes based on the number of the assignment spreading codes and the multicoding schemes; and

the spreading codes read from the mapping ROM and corresponding to the determined parameter, and data to be transmitted to the mobile station are subjected to a predetermined operation, and an operation results are transmitted to the mobile station.

7. (Original) The mobile communication system according to claim 1, wherein:

the base station further comprises a parameter transmission power ratio ROM which stores transmission data corresponding to the number of assignment spreading codes and the multicoding schemes; and

transmission power corresponding to the determined parameter is read from the parameter transmission power ratio ROM, and transmission power used to transmit data to the mobile station is controlled based on a read transmission power.

8. (Original) The mobile communication system according to claim 1, wherein if a smaller number of mobile stations than a predetermined value access the base station from shorter distances than a predetermined value, the radio control station selects one of the parameters for each of the base stations, the one of the parameters indicating the

number of assignment spreading codes smaller than a predetermined value, and transmission power higher than a predetermined value.

9. (Original) The mobile communication system according to claim 1, wherein if a larger number of mobile stations than a predetermined value access the base station from longer distances than a predetermined value, the radio control station selects one of the parameters for each of the base stations, the one of the parameters indicating the number of assignment spreading codes larger than a predetermined value, and transmission power lower than a predetermined value.

10-22. (Canceled)